

Table 40. Results of statistical analyses to determine differences in hypoxia and supersaturation (first 48 h) among sites within a Reserve and between seasons at each site and each Reserve (#statistic used was χ^2 , One-Way ANOVA (F) or *t-test for unequal variances; ** p < 0.05).

Reserve	df	Hypoxia			df	Supersaturation			
		statistic [#]	p-value			statistic [#]	p-value		
Elkhorn Slough	Sites	27.0*	4.7*	0**	44.2*	3.8*	0**		
	Overall	3	3.8	0.29		0.8 (F)	0.48		
	ELKAP	3/21	2.8 (F)	0.07		7.0	0.07		
	ELKSM	3	0.1	0.99		3.6	0.31		
Padilla Bay	Sites	44*	-4.9*	0**	20.08*	2.5*	0.02**		
	Overall	3	8.2	0.04**		17.7	0**		
	PDBBY	--	-----	-----		15.5	0**		
	PDBJL	3	10.7	0.01**		7.8	0.05		
South Slough	Sites	10	0.6	0.59	100.0	0.98			
	Overall	2	2.0	0.37		9.3	0.01**		
	SOSSE	2	2.0	0.37		6.6	0.04**		
	SOSWI	--	-----	-----		-----	-----		
Tijuana R. Estuary	Sites	58.7*	-1.7*	0.10	72	-2.4	0.02**		
	Overall	3	30.4	0**		2.9 (F)	0.04**		
	TJROS	3	17.7	0**		7.7	0.05		
	TJRTL	3/29	6.5 (F)	0**		2.3 (F)	0.10		
Great Bay	Sites	--	-----	-----	40	1.0	0.34		
	Overall	--	-----	-----		2.9	0.24		
	GRBGB	--	-----	-----		0.5 (F)	0.61		
	GRBSQ	--	-----	-----		3.6	0.17		
Hudson River	Sites	28*	-1.4*	0.19	28*	-1.3*	0.21		
	Overall	3	5.0	0.17		0.6 (F)	0.65		
	HUDSK	--	-----	-----		-----	-----		
	HUDTS	2	5.4	0.06		1.5	0.48		
Narragansett Bay	Sites	35	0.2	0.85	35	0.9	0.39		
	Overall	3	7.5	0.06		2.8	0.43		
	NARPC	3	3.5	0.32		4.8	0.19		
	NARTW	3	4.0	0.26		0.4 (F)	0.76		
Old Woman Creek	Sites	31.5*	1.7*	0.10	1/59	1.4 (F)	0.25		
	Overall	2/62	0.4 (F)	0.70		0.2 (F)	0.80		
	OWCSU	2/27	0.2 (F)	0.83		0.2 (F)	0.82		
	OWCWM	2	5.3	0.07		0.1	0.88		
Waquoit Bay	Sites	--	-----	-----	19.9*	6.0*	0**		
	Overall	--	-----	-----		3.0 (F)	0.07		
	WQBCB	--	-----	-----		1.6 (F)	0.22		
	WQBMP	fall data only				fall data only			
Wells	Sites	17.1*	-2.3*	0.03**	28	-1.0	0.33		
	Overall	3	0.8	0.84		4.8	0.18		
	WELHT	2	2.0	0.37		6.8	0.03*		
	WELIN	3	1.6	0.66		3.0	0.40		
Chesapeake Bay, MD									
Sites No Data									
Overall No Data									
CBMJB No Data									
CMBPR No Data									

Table 40. Continued.

Reserve	df	Hypoxia		df	Supersaturation	
		statistic [#]	p-value		statistic [#]	p-value
Chesapeake Bay, VA						
Sites	51.5*	-1.7*	0.10	84	3.6	0**
Overall	3	3.4	0.33	3	3.3	0.35
CBVGI	3	2.4	0.50	3/33	0.7 (F)	0.54
CBVTC	3	5.6	0.13	3/45	0.4 (F)	0.77
Delaware Bay						
Sites	44.3*	2.1*	0.04**	52.5*	2.1*	0.04**
Overall	3	5.3	0.15	3	4.4	0.22
DELBL	3	5.5	0.14	3	8.4	0.04**
DELSL	3	1.4	0.70	3	2.1	0.56
Jacques Cousteau - Mullica River						
Sites	--	-----	-----	62	0.6	0.53
Overall	--	-----	-----	3	4.3	0.23
MULB6	--	-----	-----	3/29	0.6 (F)	0.65
MULBA	--	-----	-----	3	3.7	0.29
ACE Basin						
Sites	31.7*	-1.2*	0.25	27.2*	1.9*	0.07
Overall	3	8.7	0.03**	3	1.9	0.59
ACEBB	3	2.5	0.47	3	2.0	0.57
ACESP	3	6.9	0.08	3/24	0.4 (F)	0.78
North Inlet-Winyah Bay						
Sites	81	-1.0	0.33	81	0.9	0.37
Overall	3	39.1	0**	3/79	0.5 (F)	0.69
NIWOL	3	12.8	0.01**	3/39	0.3 (F)	0.81
NIWTA	3	23.3	0**	3	5.6	0.14
North Carolina						
Sites	84	0.9	0.35	72.3	1.5	0.14
Overall	3	4.1	0.26	3	0.7 (F)	0.57
NOCMS	3	4.1	0.25	3/42	0.2 (F)	0.91
NOCZI	--	-----	-----	3/36	0.8 (F)	0.49
Sapelo Island						
Sites	42*	2.2*	0.03**	45.2*	1.1*	0.28
Overall	3	6.2	0.10	3/81	0.4 (F)	0.75
SAPFD	3	7.1	0.07	3/39	0.6	0.65
SAPML	--	-----	-----	3	2.1	0.56
Apalachicola						
Sites	58	-0.6	0.54	46.6*	1.4*	0.17
Overall	3	4.8	0.19	3	5.3	0.15
APAEB	3/23	0.5 (F)	0.66	3	4.7	0.20
APAES	3/29	0.5 (F)	0.67	3	8.4	0.04**
Jobos Bay						
Sites	7*	1.2*	0.27	7.1*	2.1*	0.08
Overall	3/11	0.7 (F)	0.60	3/11	0.3 (F)	0.82
JOB09	2	3.8	0.15	2/5	0.8	0.50
JOB10	--	-----	-----	3/3	4.3 (F)	0.65
Rookery Bay						
Sites	20.9*	2.2*	0.04**	57	-0.8	0.45
Overall	3	9.9	0.02**	3	3.8	0.28
RKBBR	3/14	5.6 (F)	0.01**	3	5.0	0.17
RKBUH	3	10.0	0.02**	3	1.6	0.66
Weeks Bay						
Sites	40*	1.0*	0.31	80*	-2.0*	0.05
Overall	3	2.1	0.56	3	17.5	0**
WKBBR	3	2.7	0.45	3	12.0	0.01**
WKBFR	--	-----	-----	3	9.5	0.02**